

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: May 25, 2006

Inspector: Diana Walden

Location: 345kV Underground Route

Storm/

Rain Event: Between 0.85-0.92" of rain was recorded over 5/19-5/21 as reported by NOAA and depending on location.

Areas of Inspection	Observation	Recommended Action	Corrective Action
Vault Openings and Trench Construction	- Several areas of bare soil were present along Rt. 7 but other construction projects are also ongoing. 2/2-5/25/06	- Continue providing good "house- keeping" along the roadways. Full restoration will be required when work is completed. 2/2-5/25/06	- Restoration is occurring and needs to continue.
	- Disturbed soil and stock-piles remain at School Rd at the HDD site. The area will be graded soon. Adjacent active work was still noted. 5/10-5/25/06	- Further restoration will be necessary after the adjacent work is complete. See additional sections for more details. 4/12-5/25/06	-Attention is still needed soon- especially sediment issues
	- The open trench near Old Danbury Road. on Rt. 7 was backfilled. Work remains near the exit point of the bore 5/25/06	- See erosion control section for more details. 5/25/06	-N/A
	- Vaults were being accessed along Umpawaug Rd. in order to proof them and pull cable. 5/17-5/25/06	- See other sections for more details. 5/25/06	- N/A
	-A number of vaults continue to be accessed along other portions of the route for internal work as well. 4/12-5/25/06	- None at this time. Include these areas as part of the restoration efforts. 4/12-5/25/06	-N/A
	- Spools of cable had been		

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	<p>pulled into Archer Lane in preparation for pulling. 5/25/06</p> <p>- Active work had returned, adjacent to the access drive of Norwalk Junction to connect up the pipe installed along Rt 7. 5/25/05</p>	<p>- None at this time. See other sections for more details. 5/25/05</p> <p>- See other sections for recommendations 5/25/06</p>	<p>- N/A</p> <p>- Needs attention.</p>
<p>Erosion and Sediment (E&S) Controls</p> <p>Route 7</p>	<p>- Recent rains disturbed the straw and seed that had been placed at the high school J&B. 4/26-5/25/06 Grass continues to grow but it's still patchy. 5/25/06</p> <p>- Continue to monitor the outlet slope on the bank for vegetation and stabilization. 5/17-5/25/06</p> <p>- At the HDD, controls continue to degrade and turbid water continues to pass under all the silt fence barriers. 5/17-5/25/06</p> <p>-Sediment accumulation continues to worsen in the wetland to the east of the basin as more water has been on site. 2/16-5/25/06 This increased further and water continues to wash under all of the silt fence barriers. 5/17-5/25/06</p> <p>- Even though effort was made to remove sediment from beyond the basin, the washouts to the east, reintroduced silt in some of the channels. 5/25/06</p> <p>- The basin area remains disturbed with stockpiles</p>	<p>- Further restoration is needed here, especially since silt fence was removed from the bank. Additional topsoil is probably needed. 4/19-5/25/06</p> <p>-None at this time. 5/17-5/25/06</p> <p>- Final restoration will occur in the near future as the basin will be graded and controls will be replaced. This needs to happen sooner than later. 5/10-5/25/06</p> <p>-The accumulated sediment (over 6" in some areas) will need to be removed by hand to the extent feasible while attempting to avoid existing wetland vegetation. 5/10-5/25/06 All washed out controls need repair immediately 5/17-5/25/06</p> <p>- Make additional efforts to remove sediment here in the channels due to the new accumulation 5/25/06</p> <p>- This basin grading and restoration is supposed to be performed soon. Make</p>	<p>- Still needs attention</p> <p>-N/A</p> <p>-Still needs attention, sooner than later</p> <p>-Still needs attention ASAP</p> <p>-Still needs attention ASAP</p> <p>- Needs attention</p> <p>- Still needs attention.</p>

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Erosion and Sediment (E&S) Controls Route 7 continued	and asphalt rubble. 5/17-5/25/06 -A number of concrete washouts were also noted 5/25/06 - Additional controls were installed along the disturbed slopes adjacent to Old Danbury Rd. 5/17-5/25/06	sure the asphalt is removed daily 5/17-5/25/06 - Designate an area for containment and inform crews. 5/25/06 - The slopes along the constructed swale will be stabilized with erosion control mats when work is complete. 5/10-5/25/06	- Needs attention -Additional silt fence was installed.
Rt. 107	- The backfilled vault at Wilton Corp Park appears to have been graded. 5/25/06 - The storage area near #848 (Rt.7) is still utilized but a portion was restored. 5/25/06 - Landowner activities here are also directly affecting wetlands, including placing sediment on the banks of the swales. 3/15-5/25/06 - Ruts from equipment access had been noted in the island at the Rt. 107 & 7 intersection leading to sedimentation near an inlet. 2/2-5/25/06 - At the Georgetown Deli J&B the washout remains at the base of the stream bank slope. 4/26-5/25/06 - Two other areas along the stream slope north of the Deli had eroded and slumped although adjacent areas were well stabilized. 5/4-5/25/06 -Silt fence was removed from along this entire area but further stabilization is still needed on the slopes.	-Monitor for final stabilization. 5/25/06 - Continue to monitor. -The sediment placement and landowner activities are outside of project jurisdiction. 4/6-5/25/06 - Protect catch basins and restore the island if access is complete. 4/6-5/25/06 -Due to the sandy soils, EC mats still need to be installed here to promote stabilization. 5/10-5/25/06 - The southern area still needs to be stabilized with EC mats and the northern area will be restored with boulders. 5/10-5/25/06 -Install the controls discussed on the slopes. 5/25/06	-The area was graded/restored. - A portion of the yard was restored. -N/A -Needs attention - Efforts were still being made to acquire mats - Still needs attention -Needs attention

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<p>Umpawaug Rd. And Diamond Hill Rd.</p> <p>Norwalk Junction</p>	<p>5/17-5/25/06</p> <ul style="list-style-type: none"> - Some of the seed had washed out on the streambank to the south as well. 5/10-5/25/06 - Vault access near #79 Umpawaug Rd. required some dewatering. Turbid water was collecting in the water beyond the haybales. 5/25/06 - Asphalt debris was left in a few piles at this location while work is ongoing. 5/25/06 	<ul style="list-style-type: none"> - The area will be re-seeded to promote re-vegetation. Vegetation is returning but is spotty. 5/17-5/25/06 -Install additional controls to prevent sedimentation. Shovel up any silt deposits in the swale. 5/25/06 - Make sure to pick up the piles when work is done in this area- provide good housekeeping. 5/25/06 	<ul style="list-style-type: none"> - Still needs attention -Controls were going to be added - N/A until work is complete in the area
<p>Adjacent Wetlands and Waterways</p>	<ul style="list-style-type: none"> -The breakout described at the HDD resulted in direct access and impact to the wetland beyond the basin in order to contain the muds. 2/9-5/25/06 - Wetlands directly to the east of the basin continue to have worsening sediment accumulation over 6" that will require removal. 1/19-5/25/06 -The soil surface of the HDD yard appears to be composed of the subsoil layer rather than the original topsoil layer due to the intensive excavation here. 4/12-5/25/06 - Some additional stream bank stabilization is needed around the Georgetown Deli. 5/10-5/25/06 	<ul style="list-style-type: none"> - The disturbed area will be smoothed out and allowed to revegetate. Wetland seed mix is also being considered. 5/10-5/25/06 - Sediment buildup should be removed carefully by hand to the extent feasible. 3/9-5/25/06 - Restoration will consist of grading out the basin and berm and placing topsoil with a high organic component to promote good re-vegetation. 4/12-5/25/06 -Portions of the site will be used for school parking and vegetation will not be restored here. - See EC sections for details. 5/25/06 	<ul style="list-style-type: none"> - Still needs attention -Still needs attention ASAP -Restoration still needs to occur shortly - Still needs attention

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Staging, Storage, and Parking Areas	<ul style="list-style-type: none"> - The equipment storage yard on the property south of the Rt. 7 & 107 intersection was mostly contained. 1/26-5/25/06 - Disturbance is mostly due to landowner activities. 3/15-5/25/06 - Debris was being piled here as well. 5/4-5/25/06 - The small storage area along Rt 7 across from Old Highway Rd is still in use 5/25/06 - The racquet club storage yard appears to be under clean-up. 5/10-5/25/06 - Additional blocks and piles of asphalt were also noted at the HDD and should be cleaned up. 5/4-5/25/06 	<ul style="list-style-type: none"> - In general, materials should be placed appropriately in storage areas or immediately adjacent to work each night. No potentially spillable materials should be left behind. Equipment should not be placed near resource areas. 3/9-5/25/06 - Provide good housekeeping and remove when feasible. 5/4-5/25/06 - The area is fairly well contained. Continue good housekeeping here. 5/4-5/25/06 - Install haybales at the culvert within the swale if necessary. 2/2-5/25/06 - The asphalt spoil from each night is placed here but is supposed to be removed shortly. Remember to remove all asphalt upon restoration of the area. 4/26-5/25/06 	<ul style="list-style-type: none"> - A portion of the area was restored - Still needs attention - N/A - The yard is being straightened up - Restoration should occur sooner than later if feasible
Soils	<ul style="list-style-type: none"> - Most soils on roadways on the project route are being trucked to a waste facility in Danbury for storage and eventual disposal. Soils off roadway can be returned to the trench. 	<ul style="list-style-type: none"> - Soils appear to be handled appropriately. 5/25/06 - Continue to make sure stockpiles are backfilled to the trench by the end of each day. 2/2-5/25/06 	N/A at this time
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	- N/A	- N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - A number of bare soil areas remain along Rt 7 where restoration efforts should continue. 3/29-5/25/06 	<ul style="list-style-type: none"> - Other utility projects are ongoing as well making it difficult to coordinate efforts. 3/29-5/25/06. - Continue to restore 	<ul style="list-style-type: none"> - Restoration efforts were noted. Continue to provide. - Restoration is

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	<p>-Restoration efforts are largely complete along Umpawaug Rd. 5/10-5/25/06</p> <p>-It may be difficult to promote vegetative growth at the HDD, Wilton HS, and portions of the Georgetown Deli due to the sandy soil surface following excavation. 4/26-5/25/06</p>	<p>where necessary after access. Grass is starting to grow in many areas. 5/10-5/25/06</p> <p>-Areas should be placed either with topsoil or EC mats for full stabilization. 5/17-5/25/06</p>	<p>ongoing</p> <p>- Still needs attention</p>
Dewatering	<p>- Water was noted flowing from the HDD site under the silt fence barriers into the wetland. 5/17-5/25/06</p> <p>- Some dewatering was noted on Umpawaug Rd. for vault access. 5/25/06</p>	<p>- It is unclear if this was a result of more offsite dewatering but sediment from site is being deposited in the wetland. 5/17-5/25/06</p> <p>- See erosion control section. 5/25/06</p>	<p>- Needs attention ASAP</p>
Blasting	<p>- No blasting is occurring on site at this time.</p>	<p>- None at this time.</p>	<p>N/A</p>
Spills and Material Storage	<p>- In general, make sure that glues, asphalt components and other materials are stored well overnight and not left out along the roadway. 5/25/06</p>	<p>- The contractors should remain vigilant about securing and handling fuel containers.</p> <p>- Continue to keep all vehicles maintained well (i.e. no apparent fluid</p>	<p>-N/A</p>
	<p>- Several concrete washouts were noted at the HDD site on the soil surface. 5/25/06</p> <p>- A small drip spot was noted at Norwalk Junction from the 345kV equipment here. 5/25/06</p>	<p>leaks) if they will be used or stored on site. - Check equipment status on a regular basis and keep spill kits on hand.</p> <p>- Report spills immediately, even if they are being controlled.</p> <p>- This needs to be controlled and managed due to the adjacent wetland and river. 5/25/06</p> <p>- The soil should be cleaned up. 5/25/06</p>	<p>- Needs attention</p> <p>- Needs attention</p>

Areas of Inspection	Observation	Recommended Action	Corrective Action
Additional Observations			

Next likely scheduled inspection:

Wednesday May 31, 2006

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature: Diana Walden



345kV (Norwalk Junction) Photo on the left shows where trenchwork was occurring at the access drive. Crews should pick up all asphalt piles and leftover materials. Photo on the right shows a small drip spot from a piece of equipment here that should be picked up if possible. 5/25/06



(Route 7): Photo on the left shows the Wilton Corp Park vault which was well graded. Photo on the right shows the backfilled trench near Old Danbury Rd. Additional silt fence was installed along the slope. 5/25/06



(HDD): Photo on the left shows asphalt debris and rubble piled at the HDD site. Continue to remove this daily and especially prior to restoration. Photo on the right shows one of several concrete washout spots noted here. Crews need to designate and contain this material. 5/25/06



Photo on the left shows where built up sediment remains and appears to have worsened in the wetland along the east of the basin. Photo on the right shows the channels behind the basin where the downed silt fence and some of the built up sediment was removed. 5/25/06



Photo on the left shows where sediment flowing into the eastern wetland is moving under the silt fence to the channels beyond the basin. Sediment will have to continue to be removed from both areas. (Wilton HS J&B): Photo on the right shows where grass growth remains sparse and the area likely needs to be reseeded and placed with more topsoil. 5/25/06



(Rt 7): Photo on the left shows where a portion of the storage area was mulched and restored. (Rt 107): Photo on the right shows where the slope at Georgetown Deli is waiting for some repair and new erosion control matting. 5/25/06



(Rt 107): Photo on the left shows the restored roadway slope south of Georgetown Deli above the river where grass is returning. Photo on the right shows the bank along the stream north of the Deli where the mat needs to be extended. 5/25/06



Photo on the left shows the roadside along Umpawaug Rd. with good grass growth. Crews are accessing the vaults here. Photo on the right shows spools being placed at Archers Lane to pull cable. 5/25/06